

## Horticulture

Michigan placed third nationally in value of wholesale sales of floriculture products in 2004. Only California and Florida reported larger sales than Michigan. Reports from Michigan's 711 commercial growers (\$10,000 or more in gross sales) showed an estimated wholesale value of \$371 million for all surveyed floriculture crops, up 8 percent from last year's revised figure. This estimate includes summarized sales data as reported by growers with \$100,000 or more in sales plus a calculated wholesale value of sales for operations with sales from \$10,000 to \$99,999.

The leading crop category breakdowns for Michigan operations with more than \$100,000 in sales were:

First, annual bedding/garden plants with \$188 million in sales.  
 Second, herbaceous perennial plants with \$62 million in sales.  
 Third, propagative materials with \$58 million in sales.  
 Fourth, potted flowering plants with \$32 million in sales.

Michigan led the nation in sales of 6 floriculture crops:

- Potted Geraniums (seed) with 16.8 million pots sold, valued at \$14.0 million.
- Potted New Guinea Impatiens with 3.9 million pots sold, valued at \$5.9 million.
- New Guinea Impatiens Hanging Baskets with 796,000 baskets sold, valued at \$5.1 million.
- Geranium Hanging Baskets (cuttings) with 785,000 baskets sold, valued at \$5.2 million.

- Potted Easter Lilies with 1.4 million pots sold, valued at \$4.9 million.
- Impatiens Hanging Baskets with 464,000 sold, valued at \$2.4 million.

Other crops that ranked second in sales nationally were:

- Impatiens (flats) with 2.3 million flats sold, valued at \$16.2 million.
- Other Flowering Hanging Baskets with 2.0 million baskets sold, valued at \$12.4 million.
- Petunias (flats) with 1.7 million flats sold, valued at \$11.7 million.
- Potted Geraniums (cuttings) with 5.0 million pots sold, valued at \$11.4 million.
- Begonias (flats) with 1.1 million flats sold, valued at \$7.8 million.
- Pansy/Viola (flats) with 883,000 flats sold, valued at \$6.0 million.
- Marigolds (flats) with 815,000 flats sold, valued at \$5.8 million.
- Potted Hosta with 1.8 million pots sold, valued at \$5.6 million.
- Potted Petunias with 2.0 million pots sold, valued at \$3.9 million.
- Petunia Hanging Baskets with 511,000 baskets sold, valued at \$2.7 million.
- Begonia Hanging Baskets with 388,000 baskets sold, valued at \$2.2 million.
- Geraniums from Seed (flats) with 60,000 flats sold, valued at \$685,000.

**Floriculture crops: Number of growers by gross value of sales, 2000-2004**

Year	\$10,000-\$19,999	\$20,000-\$39,000	\$40,000-\$49,000	\$50,000-\$99,999	\$100,000-\$499,999	\$500,000 or more	Total growers
	Number	Number	Number	Number	Number	Number	Number
2000	74	89	44	170	239	131	747
2001	57	83	47	161	239	121	708
2002	60	121	65	187	234	124	791
2003	58	96	47	188	220	134	743
2004	48	90	44	175	215	139	711

**Floriculture crops: Growing area by type of cover, 2000-2004**

Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	1,000 square feet	Acres
2000	4,441	4,096	32,665	41,202	1,106	42,308	3,299
2001	4,706	3,876	31,902	40,484	1,141	41,625	3,235
2002	4,653	3,884	36,501	45,038	1,370	46,408	3,831
2003	4,657	4,191	37,424	46,272	1,569	47,841	3,237
2004	4,549	4,559	38,217	47,325	1,425	48,750	2,996

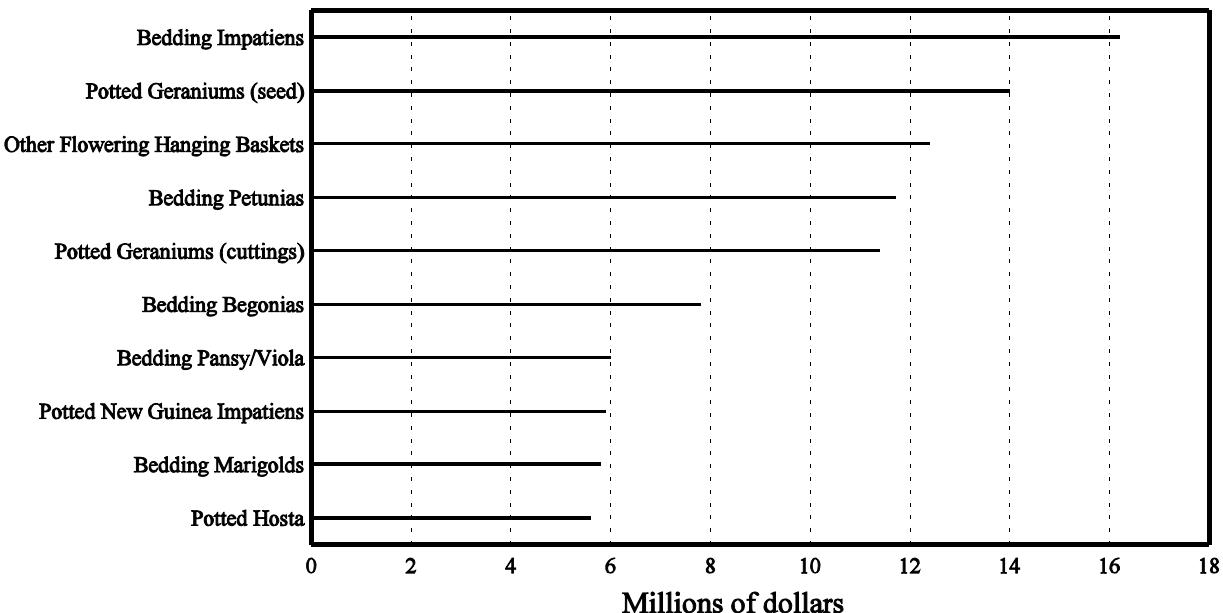
### Floriculture crops: Wholesale value of sales by category, 2000-2004

Year	Total cut flowers	Total potted flowering plants	Total foliage for indoor or patio use	Total bedding/garden plants	Total wholesale value of reported crops	Expanded wholesale value of reported crops <sup>1</sup>
	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars	1,000 dollars
2000	7,624	32,363	3,601	188,648	254,953	273,517
2001	8,119	29,447	3,531	188,216	263,158	280,745
2002	8,299	30,736	3,699	217,773	159,174	306,271
2003	8,797	32,400	3,375	230,322	177,888	322,980
2004	8,711	31,991	4,152	249,753	188,030	353,051

<sup>1</sup> Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

### Selected Floriculture Crops, 2004

Value of Sales



**Bedding plants: Producers, quantity sold, price, and value, 2000-2004**

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
					Number 1,000 flats Percent Dollars 1,000 dollars
Begonias					
2000	199	847	83	7.15	6,056
2001	209	1,025	86	7.06	7,237
2002	217	1,008	81	7.13	7,187
2003	227	1,026	82	6.66	6,833
2004	231	1,093	81	7.12	7,782
Geraniums from cuttings					
2000	43	292	78	6.21	1,813
2001	27	85	39	12.25	1,041
2002	21	76	33	12.55	954
2003	18	57	20	11.37	648
2004	16	67	33	15.24	1,021
Geraniums from seed					
2000	50	219	93	8.11	1,776
2001	52	113	87	11.53	1,303
2002	47	105	89	10.56	1,109
2003	40	83	77	10.86	901
2004	32	60	90	11.41	685
Impatiens					
2000	251	2,403	83	6.81	16,364
2001	242	2,344	83	7.05	16,525
2002	224	2,372	88	7.40	17,553
2003	238	2,383	86	6.85	16,324
2004	234	2,309	86	7.00	16,163
Marigolds					
2000	205	789	89	6.87	5,420
2001	214	794	86	7.35	5,836
2002	219	731	90	7.39	5,402
2003	231	823	87	6.77	5,572
2004	234	815	87	7.08	5,770
New Guinea Impatiens					
2000	46	125	91	8.21	1,026
2001	40	99	83	11.17	1,106
2002	41	103	73	9.89	1,019
2003	28	137	80	7.86	1,077
2004	21	45	70	10.01	450
Pansies/Violas					
2000	195	679	90	6.67	4,529
2001	200	637	89	6.94	4,421
2002	208	821	91	7.34	6,026
2003	216	920	91	6.57	6,044
2004	219	883	91	6.78	5,987
Petunias					
2000	268	1,502	85	6.76	10,154
2001	259	1,484	86	7.03	10,433
2002	252	1,430	87	7.42	10,611
2003	252	1,641	85	6.85	11,241
2004	256	1,662	85	7.06	11,734
Other flowering and foliar					
2000	258	4,506	86	6.89	31,046
2001	243	3,985	86	6.91	27,536
2002	241	3,768	86	7.45	28,072
2003	244	4,403	85	6.85	30,161
2004	246	3,929	85	7.27	28,564
Vegetables <sup>1</sup>					
2000	218	720	83	6.99	5,033
2001	187	567	82	6.97	3,952
2002	186	585	83	7.12	4,165
2003	181	506	78	6.93	3,507
2004	187	573	80	7.34	4,206

<sup>1</sup> Does not include vegetable transplants grown for commercial use.

**Hanging baskets: Producers, quantity sold, price, and value, 2000-2004**

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
					Number 1,000 baskets Percent Dollars 1,000 dollars
Begonias					
2000	148	261	83	5.61	1,464
2001	145	276	82	5.94	1,639
2002	148	350	83	5.84	2,044
2003	165	348	87	5.94	2,067
2004	164	388	86	5.79	2,247
Geraniums from cuttings					
2000	211	485	73	6.39	3,099
2001	199	399	75	6.76	2,697
2002	211	546	82	6.79	3,707
2003	222	826	84	6.53	5,394
2004	211	785	82	6.59	5,173
Geraniums from seed					
2000	23	58	70	5.85	339
2001	30	101	76	5.82	588
2002	28	53	91	6.54	347
2003	27	47	91	6.30	296
2004	25	59	95	5.75	339
Impatiens					
2000	195	411	85	4.95	2,034
2001	186	376	86	5.49	2,064
2002	180	453	88	5.43	2,460
2003	200	496	84	5.28	2,619
2004	198	464	82	5.22	2,422
Marigolds					
2000	5	2	94	5.89	12
2001	3	4	100	5.61	22
New Guinea Impatiens					
2000	226	607	82	6.45	3,915
2001	219	586	83	6.50	3,809
2002	224	766	89	6.83	5,232
2003	224	770	87	6.75	5,198
2004	219	796	90	6.40	5,094
Pansies/Violas					
2000	30	36	96	5.65	203
2001	27	33	87	5.57	184
2002	33	51	93	5.54	283
2003	36	49	89	5.52	270
2004	30	43	84	5.21	224
Petunias					
2000	178	251	85	4.96	1,245
2001	168	236	79	5.66	1,336
2002	170	346	87	5.66	1,958
2003	196	469	85	5.80	2,720
2004	197	511	85	5.25	2,683
Other flowering					
2000	189	1,346	82	5.95	8,009
2001	177	1,164	82	6.21	7,228
2002	191	1,595	88	6.22	9,921
2003	197	1,780	86	5.91	10,520
2004	208	2,004	84	6.18	12,385
Foliage					
2000	64	299	93	5.54	1,656
2001	52	306	95	4.95	1,515
2002	58	323	95	5.02	1,621
2003	61	213	92	4.81	1,025
2004	65	430	93	4.42	1,901

**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2000-2004**

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	Number	1,000 pots	1,000 pots	1,000 pots	Percent	Dollars	Dollars	1,000 dollars
Azaleas								
2000	36	31	116	147	83	3.16	7.20	933
2001	34	14	110	124	69	3.47	6.64	779
2002	28	( <sup>1</sup> )	94	94	87	( <sup>1</sup> )	7.29	685
2003	23	( <sup>1</sup> )	89	89	85	( <sup>1</sup> )	7.50	667
2004	24	( <sup>1</sup> )	93	93	87	( <sup>1</sup> )	7.82	727
Begonias								
2000	65	397	31	428	63	1.05	1.92	476
2001	69	577	38	615	61	1.26	3.01	841
2002	72	459	54	513	80	1.08	3.60	690
2003	87	563	145	708	90	1.51	2.55	1,220
2004	94	746	213	959	89	1.33	2.44	1,512
Chrysanthemums, florist								
2000	38	127	320	447	87	1.69	3.87	1,453
2001	46	162	647	809	64	1.48	3.78	2,685
2002	37	104	511	615	97	1.69	3.00	1,709
2003	31	49	465	514	98	1.62	2.61	1,293
2004	31	35	198	233	76	1.64	4.02	853
Chrysanthemums, hardy garden								
2000	131	631	2,487	3,118	90	1.11	1.79	5,152
2001	119	255	2,670	2,925	90	1.21	1.76	5,008
2002	127	227	3,611	3,838	94	1.29	1.69	6,395
2003	124	370	4,461	4,831	94	1.69	1.70	8,209
2004	133	859	4,703	5,562	95	1.58	1.92	10,387
Easter Lilies								
2000	51	( <sup>1</sup> )	1,510	1,510	97	( <sup>1</sup> )	3.47	5,240
2001	55	( <sup>1</sup> )	1,438	1,438	97	( <sup>1</sup> )	3.50	5,036
2002	48	146	1,282	1,428	97	2.75	3.52	4,914
2003	43	( <sup>1</sup> )	1,296	1,296	97	( <sup>1</sup> )	3.58	4,633
2004	38	91	1,290	1,381	97	1.72	3.66	4,878
Geraniums from cuttings								
2000	222	3,298	1,369	4,667	67	1.54	2.43	8,406
2001	217	3,101	1,422	4,523	70	1.71	2.52	8,886
2002	215	4,152	1,211	5,363	77	1.40	2.47	8,804
2003	223	3,574	1,333	4,907	69	1.73	3.30	10,582
2004	231	3,667	1,372	5,039	69	1.78	3.57	11,425
Geraniums from seed								
2000	112	17,662	54	17,716	95	0.76	3.88	13,633
2001	100	15,391	39	15,430	95	0.77	5.45	12,064
2002	98	16,156	10	16,166	98	0.81	3.46	13,121
2003	111	13,528	( <sup>1</sup> )	13,528	97	0.85	( <sup>1</sup> )	11,472
2004	109	16,788	( <sup>1</sup> )	16,788	98	0.83	( <sup>1</sup> )	13,951
Impatiens								
2000	50	230	184	414	64	0.97	1.85	564
2001	49	307	166	473	69	1.06	2.05	666
2002	46	309	123	432	95	0.96	1.85	524
2003	52	408	176	584	96	1.41	1.98	924
2004	63	784	344	1,128	94	1.16	2.00	1,597
Marigolds								
2000	14	( <sup>1</sup> )	198	198	62	( <sup>1</sup> )	1.22	242
2001	12	( <sup>1</sup> )	212	212	65	( <sup>1</sup> )	1.45	307
2002	14	71	22	93	98	0.84	1.93	102
2003	19	59	60	119	97	0.77	1.63	143
2004	28	84	164	248	98	0.86	1.89	382
New Guinea Impatiens								
2000	190	2,848	287	3,135	89	1.10	3.93	4,261
2001	178	2,753	307	3,060	90	1.23	3.12	4,344
2002	174	3,535	230	3,765	95	1.23	3.27	5,100
2003	179	3,845	357	4,202	92	1.28	3.90	6,314
2004	198	3,556	346	3,902	94	1.30	3.65	5,886

See footnote(s) at end of table.

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**Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2000-2004 (continued)**

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Pansies/Violas								
2000	34	329	58	387	80	0.67	4.83	501
2001	25	280	64	344	80	0.66	1.93	308
2002	31	576	141	717	98	0.68	2.59	757
2003	45	220	417	637	97	0.82	1.97	1,002
2004	49	832	235	1,067	97	0.49	2.17	918
Petunias								
2000	64	390	336	726	63	1.15	1.92	1,094
2001	49	360	243	603	56	1.12	2.16	928
2002	62	461	312	773	94	0.85	2.44	1,153
2003	76	619	803	1,422	92	1.49	1.99	2,520
2004	97	1,048	986	2,034	91	1.40	2.45	3,883
Poinsettias								
2000	97	1,375	3,138	4,513	87	1.23	3.88	13,867
2001	100	992	3,057	4,049	85	1.45	3.98	13,605
2002	93	915	2,847	3,762	90	1.60	4.12	13,194
2003	84	958	2,770	3,728	90	1.65	4.21	13,242
2004	85	771	2,661	3,432	92	1.86	4.25	12,743
Roses, florist								
2000	14	67	37	104	90	2.25	4.24	308
2001	17	52	55	107	95	2.69	4.23	373
2002	10	87	( <sup>1</sup> )	87	95	3.59	( <sup>1</sup> )	312
2003	9	( <sup>1</sup> )	64	64	94	( <sup>1</sup> )	3.61	231
2004	6	79	( <sup>1</sup> )	79	96	3.20	( <sup>1</sup> )	253
Flowering bulbs								
2000	43	735	999	1,734	97	1.59	3.31	4,475
2001	47	821	665	1,486	96	1.48	3.40	3,476
2002	49	666	1,467	2,133	99	1.52	3.29	5,839
2003	40	901	1,398	2,299	99	2.07	3.32	6,506
2004	41	751	1,531	2,282	98	1.46	3.21	6,011
Other flowering plants								
2000	66	982	722	1,704	88	1.64	4.43	4,809
2001	55	805	485	1,290	84	1.61	3.54	3,013
2002	60	977	455	1,432	87	1.58	4.31	3,505
2003	54	1,554	801	2,355	89	1.18	3.87	4,934
2004	58	1,500	468	1,968	84	1.80	4.21	4,670
Other flowering and foliar type bedding plants								
2000	131	9,571	1,848	11,419	80	1.01	2.87	14,970
2001	120	9,026	1,372	10,398	82	1.16	3.49	15,258
2002	125	10,294	2,805	13,099	95	1.07	3.12	19,766
2003	137	12,733	4,296	17,029	92	1.38	3.10	30,889
2004	147	18,198	3,403	21,601	92	1.21	3.29	33,215
Vegetable type <sup>2</sup>								
2000	73	871	135	1,006	88	0.65	1.79	808
2001	65	594	169	763	90	0.86	1.54	771
2002	73	1,066	164	1,230	93	0.69	2.16	1,090
2003	91	1,241	206	1,447	85	0.79	2.10	1,413
2004	92	3,067	342	3,409	94	0.54	1.96	2,327

<sup>1</sup> Pot sizes have been combined into category with greatest production to avoid disclosure of individual operations.

<sup>2</sup> Does not include vegetable transplants grown for commercial use.

**Herbaceous perennials: Producers, quantity sold, price, and value, 2000-2004**

Item	Producers	Quantity sold				Percent of sales at wholesale	Wholesale price			Value of All sales at wholesale
		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	Total		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	
	Number	1,000 pots	1,000 pots	1,000 pots	1,000 pots	percent	Dollars	Dollars	Dollars	1,000 dollars
Hosta										
2000	106	996	1,040	40	2,076	93	2.75	3.76	7.21	6,938
2001	111	584	1,073	46	1,703	94	2.76	2.89	6.43	5,009
2002	115	936	907	47	1,890	92	2.50	3.68	6.22	5,970
2003	126	825	1,020	69	1,914	90	2.49	3.64	5.85	6,171
2004	125	1,000	731	94	1,825	90	2.48	3.57	5.26	5,584
Other										
2000	131	13,634	3,613	162	17,409	94	1.03	3.61	6.05	28,066
2001	136	13,890	5,110	317	19,317	94	1.25	3.06	5.90	34,869
2002	142	22,281	6,382	302	28,965	95	1.00	3.43	6.83	46,234
2003	153	15,220	5,377	356	20,953	92	1.11	3.53	6.12	38,054
2004	149	13,600	6,869	746	21,215	92	1.30	3.42	6.14	45,752